

## ABSTRACT

The invention relates to a method to regulate a circulating air and/or intake air portion ( $V_s$ ,  $V_o$ ) in a passenger compartment of a vehicle, in particular a motor vehicle, with a sensor for detecting hazardous gas concentrations in the passenger compartment and for supplying a triggering signal ( $l_{CO_2}$ ) of a control unit for the circulating air and/or intake air portion ( $V_s$ ,  $V_o$ ) in a passenger compartment. To achieve air supply in a passenger compartment that does justice to demand and is optimized with respect to energy consumption, the sensor for detecting hazardous gas concentrations is a temperature-compensated sensor, whereby the sensor for detecting the ambient temperature along with the sensor for detecting the hazardous gas concentration supply signals ( $l_t$ ,  $l_{CO_2}$ ) for triggering a control unit for the circulating air and/or intake air portion ( $V_s$ ,  $V_o$ ). The control unit controls either the size of the circulating air portion ( $V_s$ ) in the passenger compartment or switches from complete circulating air operation to complete intake air cooperation and vice versa.